

E000P-971088  
Date: 05/27/97

**MODIFICATION REVIEW**

**For**

**BEAMLINE  
PERSONNEL SAFETY SYSTEM**

**ARGONNE NATIONAL LABORATORY  
ADVANCED PHOTON SOURCE  
EXPERIMENTAL FACILITIES**

**E000P-971088**

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PSS Change Request  
27 May 1997

1. PSS Change

Chain A:

Relocate the remote Shutter Open/Close inputs from the 15-U cabinets on the experimental floor to the PSS cabinet on the mezzanine. The PSS cabinet will contain an additional Chain A PLC Input interface module wired in accord with the drawing titled "Advanced Photon Source Personnel Safety System Generic Remote Distribution Panel Terminal Wiring Diagram 1-20" dated 05/08/97 as drawn by D. Francis. The Open/Close inputs for the Beamline will be relocated from the remote I/O addresses now used to the addresses identified by the drawing.

2. Reasons for the PSS Change.

The User community desires the ability to remotely operate the shutters associated with the Stations in their Beamline. This capability was previously made available by allocating input to the PSS System at the 15-U cabinet controlling the affected Shutter. This method of remote shutter operation placed the interface on the experimental floor and was found to be inconvenient for the purpose of isolating the User signals from the PSS system and did not provide adequate space for expansion.

3. Extent of the PSS Change

This change will affect all Beamline code written or modified on or after 27 May 1997.

4. Method of Implementation

The changes will be applied using the existing Software Change Request mechanism as defined in the Software Configuration Management Procedures document E000P-921130-01 dated 03/25/96 for the Interlock Systems and Instrumentation Group. A PSS "Remote Shutter operation" Interface Control Document (ICD) is now being written (E000P-9110XX-vv).